

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MULTIPLE DISPLACEMENT AMPLIFICATION

the specification of which (check one)

_____ is attached hereto

☒ was filed on October 8, 1997

as application Serial No. _____

_____ and was amended on: _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)			Priority Claimed
_____	_____	_____	_____
(Number)	(Country)	(Day/Month/Year Filed)	
_____	_____	_____	_____
(Number)	(Country)	(Day/Month/Year Filed)	
_____	_____	_____	_____
(Number)	(Country)	(Day/Month/Year Filed)	

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number

Filing Date

Title: " MULTIPLE DISPLACEMENT AMPLIFICATION"
By: Paul M. Lizardi
Filed: October 11, 1997
DECLARATION

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of the application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	Status
		(patented, pending, abandoned)

(Application Serial No.)	(Filing Date)	Status
		(patented, pending, abandoned)

As named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Patrea L. Pabst	31,284
Suzanne F. Seavello	37,933
David S. Bradin	37,783
Collen A. Beard	38,824
Robert A. Hodges	41,074

Send Correspondence to: Patrea L. Pabst, Esq.
ARNALL GOLDEN & GREGORY LLP
2800 One Atlantic Center
1201 W. Peachtree Street
Atlanta, GA 30309-3450

Direct telephone calls to: Patrea L. Pabst (404) 873-8794

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Paul M. Lizardi

Inventor's signature Paul M. Lizardi Date Oct. 31, 1997

Residence 350 Mountain Road, Hamden, CT 06514

Citizenship United States of America

Post Office Address 350 Mountain Road, Hamden, CT 06514

COPY



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MAY 19, 1998

PTAS

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PATREA L. PABST, ESQ.
2800 ONE ATLANTIC CENTER
1201 WEST PEACHTREE STREET
ATLANTA, GA 30309-3450



100671497A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/28/1997

REEL/FRAME: 9048/0782
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
LIZARDI, PAUL M.

DOC DATE: 10/31/1997

ASSIGNEE:
YALE, UNIVERSITY
451 COLLEGE STREET
NEW HAVEN, CONNECTICUT 06511

SERIAL NUMBER: 08946732
PATENT NUMBER:

FILING DATE: 10/08/1997
ISSUE DATE:

PEARLENE FOSTER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

MAY 20 1998

FORM PTO-1619A

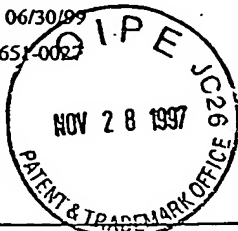
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OMB 0651-0022

03-24-1998



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RECORDATION FORM COVER SHEET
PATENTS ONLYU.S. Department of Commerce
Patent and Trademark Office
PATENT

MPO 11-28-97

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

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Document ID#

☐ Correction of PTO Error

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Conveyance Type

☒ Assignment☐ License☐ Merger☐ Security Agreement☐ Change of Name☐ Other

U.S. Government

(For Use ONLY by U.S. Government Agencies)

☐ Departmental File☐ Secret File

Conveying Party(ies)



Mark if additional names of conveying parties attached

Name (line 1) Lizardi, Paul M.

Name (line 2)

Execution Date
Month Day Year

10311997

Second Party

Name (line 1)

Name (line 2)

Execution Date

Receiving Party



Mark if additional names of receiving parties attached

Name (line 1) University, Yale

Name (line 2)

Address (line 1) 451 College Street

Address (line 2)

Address (line 3) New Haven

Connecticut - USA

06511

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

12/23/1997 DBEACH 00000018 08946732
02 RC:581

40.00 DP

FOR OFFICE USE ONLY

Correspondent Name and Address

Area Code and Telephone Number

404 873 8794

Name Patrea L. Pabst, Esq.

Address (line 1) Arnall Golden & Gregory, LLP

Address (line 2) 2800 One Atlantic Center

Address (line 3) 1201 West Peachtree Street

Address (line 4) Atlanta, GA 30309-3450

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

#

1

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

08946,732

Month Day Year

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

Number of Properties

Enter the total number of properties involved.

#

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$

40.00

Method of Payment:

Enclosed

☒

Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

01-2507

Authorization to charge additional fees:

Yes

☒

No

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Robert A. Hodges

Name of Person Signing

Signature

November 26, 1997

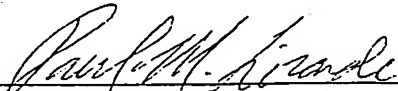
Date

ASSIGNMENT

I, Paul M. Lizardi of 350 Mountain Road, Hamden, Connecticut 06514, in consideration of Ten Dollars and other valuable consideration paid to me by Yale University, a corporation of Connecticut, having its principal place of business at 451 College Street, New Haven, Connecticut 06511, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Yale University, its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in "MULTIPLE DISPLACEMENT AMPLIFICATION" described in U.S. Serial No. 08/946,732, filed on October 8, 1997, by Paul Lizardi, in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executor and administrator, with said corporation and its successors and assigns but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

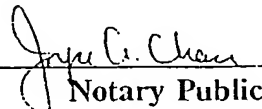
WITNESS my hand and seal this 31 day of October, 1997.



Paul M. Lizardi

State of Connecticut)
County of New Haven) ss.

Then personally appeared the above named Paul M. Lizardi and acknowledged the foregoing instrument to be his free act and deed, before me, this 31 day of October, 1997.



Notary Public

My Commission Expires 6/30/98

COPY

ATTORNEY DOCKET NO. 25006.0003U2
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)	
)	
Paul M. Lizardi)	Group Art Unit: 1656
)	
Serial No. 09/397,915)	Examiner: J. Tung
)	
Filed: September 17, 1999)	
)	
For: "MULTIPLE DISPLACEMENT)	
AMPLIFICATION")	

REVOCATION AND SUBSTITUTE POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

NEEDLE & ROSENBERG, P.C.
Suite 1200, The Candler Building
127 Peachtree Street, N.E.
Atlanta, Georgia 30303-1811

Sir:

Yale University hereby revokes all powers of attorney heretofore given by it and appoints as its

attorneys:



23859

PATENT TRADEMARK OFFICE

NEEDLE & ROSENBERG, P.C.,
Suite 1200, The Candler Building
127 Peachtree Street, N.E.
Atlanta, Georgia 30303-1811
(404) 688-0770

with full power of substitution, association and revocation, to prosecute said application and to transact
all business in the Patent and Trademark Office connected therewith.

Address all telephone calls to Robert A. Hodges, at telephone number (404) 688-0770.

ATTORNEY DOCKET NO. 25006.0003U2
SERIAL NO. 09/397,915

Address all correspondence to:

Robert A. Hodges, Ph.D.
NEEDLE & ROSENBERG, P.C.
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127 Peachtree Street, N.E.
Atlanta, Georgia 30303-1811

YALE UNIVERSITY

By:

Dorothy Robinson

Dorothy Robinson
General Counsel

Date:

6/6/01